

[illegible]

```
LL      NN      NN      KK      KK      SSSSSSSS  TTTTTTTTTT  AAAAAA  TTTTTTTTTT  SSSSSSSS  000000
LL      NN      NN      KK      KK      SSSSSSSS  TTTTTTTTTT  AAAAAA  TTTTTTTTTT  SSSSSSSS  000000
LL      NN      NN      KK      KK      SS        TT        AA        TT        SS        00        00
LL      NN      NN      KK      KK      SS        TT        AA        TT        SS        00        00
LL      NN      NN      KK      KK      SS        TT        AA        TT        SS        00        00
LL      NNNN     NN      KK      KK      SS        TT        AA        TT        SS        00        00
LL      NNNN     NN      KK      KK      SS        TT        AA        TT        SS        00        00
LL      NN      NN      KKKKKK  KK      SSSSSS     TT        AA        TT        SSSSSS  00        00
LL      NN      NN      KKKKKK  KK      SSSSSS     TT        AA        TT        SSSSSS  00        00
LL      NN      NNNN     KK      SS              TT        AAAAAAAAAA  TT        SS        00        00
LL      NN      NNNN     KK      SS              TT        AAAAAAAAAA  TT        SS        00        00
LL      NN      NN      KK      SS              TT        AA        TT        SS        00        00
LL      NN      NN      KK      SS              TT        AA        TT        SS        00        00
LLLLLLLLLL  NN      NN      KK      SSSSSSSS  TT        AA        TT        SSSSSSSS  000000
LLLLLLLLLL  NN      NN      KK      SSSSSSSS  TT        AA        TT        SSSSSSSS  000000
                                     ....
                                     ....
                                     ....
                                     ....

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```

```
0001 0 module lnk_statsout ! LINKER STATISTICS ROUTINE
0002 0 (ident = 'V04-000'
0003 0 ,addressing_mode
0004 0 (external = general
0005 0 ,nonexternal = long_relative
0006 0 ) =
0007 0
0008 1 begin
0009 1
0010 1 *****
0011 1 *
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0028 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0029 1 *
0030 1 *****
0031 1 ++
0032 1 FACILITY: LINKER
0033 1
0034 1 ABSTRACT: ROUTINE DOES ALL THE WORK OF GATHERING AND OUTPUTTING STATISTICS OF THE LINK
0035 1
0036 1 ENVIRONMENT: STARLET NATIVE MODE
0037 1
0038 1 AUTHOR: T.J. PORTER, CREATION DATE: 27-JUN-77
0039 1
0040 1 MODIFIED BY:
0041 1
0042 1 V03-002 ADE0001 Alan D. Eldridge 14-Aug-1984
0043 1 Only output the options file contents if a full map
0044 1 is requested.
0045 1
0046 1 V03-001 JWT0099 Jim Teague 14-Mar-1983
0047 1 New CLI interface.
0048 1
0049 1 --
0050 1
0051 1 TABLE OF CONTENTS:
0052 1
0053 1 forward routine
0054 1 lnk$statsout : novalue; ! OUTPUT THE STATISTICS
0055 1
0056 1
0057 1
```



```
58      0058 1  ! INCLUDE FILES:
59      0059 1
60      0060 1  library 'LIBL32';           ! GET PROCESS HEADER DEFINITIONS
61      0061 1
62      0062 1  require 'PREFIX';          ! USEFUL MACROS AND VARIABLES
63      0177 1
64      0178 1  library 'DATBAS';          ! LINKER DATA STRUCTURES
65      0179 1
66      0180 1  sd ('$LINE');
67      0181 1
68      0182 1  ! MACROS:
69      0183 1
70      0184 1  macro
71      0185 1      textadr = 0,0,32,0%,
72      0186 1      fltsadr = 1,0,32,0%,
73      0187 1      cputadr = 2,0,32,0%,
74      0188 1      stimadr = 3,0,32,0%;
75      0189 1
76      0190 1  ! EQUATED SYMBOLS:
77      0191 1
78      0192 1  literal
79      0193 1      bufferleng = 132;      ! OUTPUT LINE BUFFER
80      0194 1
81      0195 1  ! EXTERNAL REFERENCES:
82      0196 1
83      0197 1  external
84      0198 1      lnk$gl_optextp : ref block [, byte],
85      0199 1      lnk$gl_ctlmsk : block [, byte],
86      0200 1      lnk$gl_minaddr,
87      0201 1      lnk$gl_memlhd,
88      0202 1      lnk$gl_cpustim,
89      0203 1      lnk$gl_futlsrch,
90      0204 1      lnk$gl_librecs,
91      0205 1      lnk$gl_nmodsexp,
92      0206 1      lnk$gl_nmodsrch,
93      0207 1      lnk$gl_objrecs,
94      0208 1      lnk$gw_dbgreccs : word,
95      0209 1      lnk$gl_dbgestim,
96      0210 1      lnk$gw_dstvbn : word,
97      0211 1      lnk$gw_dstblks : word,
98      0212 1      lnk$gl_dstend,
99      0213 1      lnk$gw_symrecs : word,
100     0214 1      lnk$gw_gstreccs : word,
101     0215 1      lnk$gq_startim,
102     0216 1      lnk$gq_endtim,
103     0217 1      lnk$gq_ps1stim,
104     0218 1      lnk$gq_alostim,
105     0219 1      lnk$gq_ps2stim,
106     0220 1      lnk$gq_mapstim,
107     0221 1      lnk$gq_stbstim,
108     0222 1      lnk$gl_ps1cput,
109     0223 1      lnk$gl_alocput,
110     0224 1      lnk$gl_ps2cput,
111     0225 1      lnk$gl_mapcput,
112     0226 1      lnk$gl_stbcput,
113     0227 1      lnk$gl_ps1flts,
114     0228 1      lnk$gl_aloflts,

! POINTER TO OPTIONS TEXT
! LINK CONTROL FLAGS
! LOWEST ADDRESS ALLOCATED
! FREE MEMORY LISTHEAD
! CPU TIME AT START
! NUMBER OF SYMBOLS SEARCHED FOR IN THE WRONG LIBRARY
! NUMBER OF OBJ RECORDS READ FROM LIBRARIES
! NUMBER MODULES EXTRACTED EXPLICITLY
! NUMBER OF MODULES EXTRACTED TO RESOLVE SYMBOLS
! TWO PASS COUNT OF OBJECT RECORDS READ
! NUMBER OF DEBUG DATA RECORDS
! NUMBER OF BYTES IN DEBUG RECORDS
! VBN OF DEBUG SYMBOL TABLE
! NUMBER OF BLOCKS ALLOCATED
! END ADDRESS IN THE DST
! NUMBER OF GLOBAL SYMBOL TABLE RECORDS WRITTEN TO SEPARATE FILE
! NUMBER WRITTEN TO IMAGE FILE
! START TIME QUADWORD
! END TIME QUADWORD
! PASS 1 START TIME
! ALLOCATION/RELOCATION START TIME
! PASS 2 START TIME
! BULK OF MAP START TIME
! SYMBOL TABLE OUTPUT START TIME
! CPU TIME AT START OF PASS 1
! CPU TIME AT START OF ALLOCATION PHASE
! CPU TIME AT START OF PASS 2
! CPU TIME AT START OF MAP OUTPUT
! CPU TIME AT START OF SYMBOL TABLE OUTPUT
! PAGE FAULT COUNT AT START OF PASS 1
! PAGE FAULT COUNT AT START OF ALLOCATION PHASE
```

```
115 0229 1 lnk$gl_ps2flts,      ! PAGE FAULT COUNT AT START OF PASS 2
116 0230 1 lnk$gl_mapflts,      ! PAGE FAULT COUNT AT START OF MAP OUTPUT
117 0231 1 lnk$gl_stbflts,      ! PAGE FAULT COUNT AT START OF SYMBOL TABLE OUTPUT
118 0232 1 lnk$gl_spagflts,      ! PAGE FAULT COUNT AT START OF THE LINK
119 0233 1 lnk$gl_endflts,      ! PAGE FAULT COUNT AT END
120 0234 1 lnk$gl_endcput;      ! CPU TIME AT END
121 0235 1
122 0236 1 external routine
123 0237 1   cli$get_value,
124 0238 1   lnk$scalcelaps,      ! ROUTINE TO DO THE QUADWORD ARITHMETIC
125 0239 1                               ! RETURNING ADDRESS OF THE NEGATIVE ('DELTA') ELAPSED TIME
126 0240 1   lnk$mapout;        ! OUPUTS LINE TO MAP
127 0241 1
128 0242 1 external literal
129 0243 1   len$sc_mapline : wordlit, ! LENGTH OF MAP LINE
130 0244 1   lnk$sk_libblocks : short; ! NUMBER OF BLOCKS IN WINDOW OF A LIBRARY
131 0245 1
132 0246 1 literal
133 0247 1   phases = 9;        ! NUMBER OF PHASES FOR WHICH THERE ARE STATISTICS
134 0248 1
135 0249 1
136 0250 1   MODULE OWN STORAGE:
137 0251 1
138 0252 1   own
139 0253 1       command_desc : dynamic_descriptor;
140 0254 1   psect
141 0255 1       own = $split$(nopic, concatenate, local, noshare, noexecute, nowrite);
142 0256 1   own
143 0257 1       phastahd1 : descriptor ('!50<Performance Indicators!>Page Faults      CPU Time      Elapsed Time'),
144 0258 1       phastahd2 : descriptor ('!50<!22*-!>!11*-      !8*-      !12*-'),
145 0259 1       phastafmt : descriptor ('!50<!AS!>!11UL      !22L:!22L:!22L.!22L      !%T'),
146 0260 1       totaltim : descriptor ('Total run values:'),
147 0261 1       comandtim : descriptor ('      Command processing:'),
148 0262 1       pass1tim : descriptor ('      Pass 1:'),
149 0263 1       alloctim : descriptor ('      Allocation/Relocation:'),
150 0264 1       pass2tim : descriptor ('      Pass 2:'),
151 0265 1       maptim : descriptor ('      Map data after object module synopsis:'),
152 0266 1       stbtim : descriptor ('      Symbol table output:'),
153 0267 1       workset : descriptor ('Using a working set limited to !UL pages and !UL pages of data storage (excluding image)'),
154 0268 1       objrecs : descriptor ('!50<Total number object records read (both passes):!>!UL'),
155 0269 1       librecs : descriptor ('      of which !UL were in libraries and !UL were DEBUG data records containing !UL bytes'),
156 0270 1       dbgdata : descriptor ('!UL bytes of DEBUG data were written, starting at VBN !UW with !UW blocks allocate'),
157 0271 1       extrmods : descriptor ('!50<Number of modules extracted explicitly!> = !UL'),
158 0272 1       srchmods : descriptor ('      with !UL extracted to resolve undefined symbols'),
159 0273 1       futlsrch : descriptor ('!UL library searches were for symbols not in the library searched'),
160 0274 1       symrecs : descriptor ('A total of !UL global symbol table records was written'),
161 0275 1       phastatbl : blockvector [phases, 4] initial (
162 0276 1           0, lnk$gl_spagflts, lnk$gl_cpustim, lnk$gq_startim,
163 0277 1           comandtim, lnk$gl_ps1flts, lnk$gl_ps1cput, lnk$gq_ps1stim,
164 0278 1           pass1tim, lnk$gl_aloflts, lnk$gl_alocput, lnk$gq_alostim,
165 0279 1           alloctim, lnk$gl_ps2flts, lnk$gl_ps2cput, lnk$gq_ps2stim,
166 0280 1           pass2tim, lnk$gl_mapflts, lnk$gl_mapcput, lnk$gq_mapstim,
167 0281 1           maptim, lnk$gl_stbflts, lnk$gl_sfbcp, lnk$gq_sfbstim,
168 0282 1           stbtim, lnk$gl_endflts, lnk$gl_endcput, lnk$gq_endtim,
169 0283 1
170 0284 1
171 0285 1
```



LNK\_STATSOUT  
V04=000

E 11  
16-Sep-1984 00:33:36 VAX-11 Bliss-32 V4.0-742  
14-Sep-1984 12:40:36 [LINKER.SRC]LNKSTATSO.B32;1

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(1)

: 172 0286 1  
: 173 0287 1  
: 174 0288 1  
: 175 0289 1  
: 176 0290 1

0  
totaltim,lnk\$gl\_spagflts,lnk\$gl\_cpustim,lnk\$gq\_startim,  
cvt2secs : initial (100),lnk\$gl\_endflts,lnk\$gl\_endcput,(lnk\$gq\_endtim),  
cvtsecsmins : initial (60);

```
178 0291 1 global routine lnk$statsout : novalue = ! OUTPUT STATISTICS
179 0292 2 begin
180 0293 3
181 0294 4 ++
182 0295 5 FUNCTIONAL DESCRIPTION:
183 0296 6 THIS MODULE COMPUTES AND OUTPUTS TO THE MAP A GAGGLE OF THE STATISTICS
184 0297 7 ACCUMULATED BY THE LINKER AND THE SYSTEM DURING THE RUN
185 0298 8
186 0299 9 FORMAL PARAMETERS:
187 0300 10 NONE
188 0301 11
189 0302 12 IMPLICIT INPUTS:
190 0303 13 NONE
191 0304 14
192 0305 15 IMPLICIT OUTPUTS:
193 0306 16 NONE
194 0307 17
195 0308 18 ROUTINE VALUE:
196 0309 19
197 0310 20 COMPLETION CODES:
198 0311 21 NONE
199 0312 22
200 0313 23 SIDE EFFECTS:
201 0314 24 NONE
202 0315 25
203 0316 26
204 0317 27
205 0318 28
206 0319 29
207 0320 30
208 0321 31
209 0322 32 --
210 0323 33 builtin
211 0324 34 ediv;
212 0325 35
213 0326 36 local
214 0327 37 buffer : ch$sequence (bufferleng), ! OUTPUT LINE BUFFER
215 0328 38 outbufdesc : vector [2], ! ITS DESCRIPTOR
216 0329 39 pagefaults,
217 0330 40 cputime : vector [2],
218 0331 41 secfrac,
219 0332 42 cpusecs : vector [2],
220 0333 43 cpumins : vector [2],
221 0334 44 cpuhours,
222 0335 45 worksetlim,
223 0336 46 memused : ref vector,
224 0337 47 dbgbytes,
225 0338 48 outlinele : word; ! LENGTH OF FORMATTED LINE RETURNED BY FAO
226 0339 49
227 0340 50 outbufdesc [0] = bufferleng; ! INITIALIZE FAO'S BUFFER
228 0341 51 outbufdesc [1] = buffer; ! DESCRIPTOR
229 0342 52 cputime [1] = 0;
230 0343 53 cpusecs [1] = 0;
231 0344 54 cpumins [1] = 0;
232 0345 55 lnk$mapout (buffer, 0);
233 0346 56 $fao (phastahd1, outlinele, outbufdesc);
234 0347 57 lnk$mapout (buffer, .outlinele);
```

```
235 0348 $fao (phastahd2, outlineleng, outbufdesc);
236 0349 lnk$mapout (buffer, .outline(leng);
237 0350
238 0351 incr i from 1 to phases - 1 do
239 0352
240 0353   if .phastatbl [.i, textadr] neq 0
241 0354   then
242 0355     begin
243 0356       pagefaults = ..phastatbl [.i, fltsadr] - ..phastatbl [.i - 1, fltsadr];
244 0357       cputime [0] = ..phastatbl [.i, cputadr] - ..phastatbl [.i - 1, cputadr];
245 0358       ediv (cvt2secs, cputime [0], cpusecs [0], secfrac);
246 0359       ediv (cvtsecsmins, cpusecs [0], cpumins [0], cpusecs [0]);
247 0360       ediv (cvtsecsmins, cpumins [0], cpuhours, cpumins [0]);
248 0361       $fao (phastafmt, outlineleng, outbufdesc, .phastatbl [.i, textadr], .pagefaults, .cpuhours,
249 0362         cpumins [0], cpusecs [0], secfrac,
250 0363         lnk$calcelaps (.phastatbl [.i - 1, stimadr],
251 0364           .phastatbl [.i, stimadr]));
252 0365       lnk$mapout (buffer, .outline(leng);
253 0366     end;
254 0367
255 0368 $adjwsl (pagcnt = 0, wsetlm = worksetlim);
256 0369 memused = lnk$gl_memlhd;
257 0370
258 0371 while .memused [0] neq 0 do
259 0372   memused = .memused [0];
260 0373
261 0374 memused = (memused [0] - .lnk$gl_minaddr + 511)/512;
262 0375 lnk$mapout (buffer, 0);
263 0376 $fao (workset, outlineleng, outbufdesc, .worksetlim, .memused);
264 0377 lnk$mapout (buffer, .outline(leng);
265 0378 lnk$mapout (buffer, 0);
266 0379 $fao (objrecs, outlineleng, outbufdesc, .lnk$gl_objrecs);
267 0380 lnk$mapout (buffer, .outline(leng);
268 0381 $fao (librecs, outlineleng, outbufdesc, .lnk$gl_librecs, .lnk$gw_dbgrecs, .lnk$gl_dbgestim);
269 0382 lnk$mapout (buffer, .outline(leng);
270 0383
271 0384 if (dbgbytes = .lnk$gl_dstend) neq 0 and (.lnk$gl_ctlmsk [lnk$sv_dbg] or .lnk$gl_ctlmsk [lnk$sv_trace])
272 0385 then
273 0386   begin
274 0387     $fao (dbgdata, outlineleng, outbufdesc, .dbgbytes, .lnk$gw_dstvbn, .lnk$gw_dstblks);
275 0388     lnk$mapout (buffer, .outline(leng);
276 0389   end;
277 0390
278 0391 lnk$mapout (buffer, 0);
279 0392 $fao (extrmods, outlineleng, outbufdesc, .lnk$gl_nmodsexp);
280 0393 lnk$mapout (buffer, .outline(leng);
281 0394 $fao (srchmods, outlineleng, outbufdesc, .lnk$gl_nmodsrch);
282 0395 lnk$mapout (buffer, .outline(leng);
283 0396 lnk$mapout (buffer, 0);
284 0397 $fao (futlsrch, outlineleng, outbufdesc, .lnk$gl_futlsrch);
285 0398 lnk$mapout (buffer, .outline(leng);
286 0399 lnk$mapout (buffer, 0);
287 0400 $fao (symrecs, outlineleng, outbufdesc, (.lnk$gw_symrecs + .lnk$gw_gstreccs));
288 0401 lnk$mapout (buffer, .outline(leng);
289 0402 lnk$mapout (buffer, 0);
290 0403
291 0404 ! SKIP A LINE
! PRINT THE COMMAND LINE
```



```
292 0405 !
293 0406 begin
294 0407 local
295 0408     pchars,
296 0409     nchars,
297 0410     chars;
298 0411
299 0412 pchars = 0;
300 0413 cli$get_value(sd$line, command_desc);      ! Get command line from CLI
301 0414 chars = .command_desc [dsc$w_length];
302 0415
303 0416 while (.chars gtr 0) do
304 0417     begin
305 0418         nchars = min (.chars, len$c_mapline);
306 0419         lnk$mapout (.command_desc [dsc$a_pointer] + .pchars, .nchars);
307 0420         chars = .chars - .nchars;
308 0421         pchars = .pchars + .nchars;
309 0422     end;
310 0423
311 0424 PRINT THE OPTION FILE (IF PRESENT) if "/FULL" MAP REQUESTED
312 0425
313 0426 if .lnk$gl_ctlmsk [lnk$w_long]
314 0427 then while .lnk$gl_optextp neq 0
315 0428     do begin
316 0429         lnk$mapout (lnk$gl_optextp [oeb$t_text]          !PRINT THE LINE
317 0430                     ;.lnk$gl_optextp [oeb$w_bytcnt]
318 0431                     );
319 0432         lnk$gl_optextp = .lnk$gl_optextp [oeb$l_nxtoeb];  !LINK TO NEXT LINE
320 0433     end;
321 0434
322 0435 end;
323 0436 return;
324 0437 end;
```

! End of LNK\$STATSOUT

```
.TITLE LNK_STATSOUT
.IDENT \V04-000\
.PSECT $SPLITS,NOWRT,NOEXE,2

45 4E 49 4C 24 00000 P.AAB: .ASCII \ $LINE\
00005
00000005 00008 P.AAA: .BLKB 3
00000000' 0000C .LONG 5
00000000' 00010 P.AAC: .ADDRESS P.AAB
0001F .ASCII \!50<Performance Indicators!>Page Faults-
0002E \<9>
00038 .ASCII \CPU Time\<9>\Elapsed Time\<0><0><0>
00047
0000003D 00050 PHASTAHD1:
00000000' 00054 .LONG 61
00058 P.AAD: .ADDRESS P.AAC
00067 .ASCII \!50<!22*--!>!11*--\<9>\!8*--\<9>\!12*--\<0>
0000001B 00074 PHASTAHD2:
00000000' 00078 .LONG 27
.ADDRESS P.AAD
```

LNK\_STATSOUT  
V04=000

I 11  
16-Sep-1984 00:33:36  
14-Sep-1984 12:40:36

VAX-11 Bliss-32 V4.0-742  
[LINKER.SRC]LNKSTATSO.B32;1

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(2)

09	4C	55	31	31	21	3E	21	53	41	21	3C	30	35	21	0007C	P.AAE:	.ASCII	\!50<!AS!>!11UL\<9>\!2ZL:!2ZL:!2ZL.!2ZL\	:	
2E	4C	5A	32	21	3A	4C	5A	32	21	3A	4C	5A	32	21	0008B				:	
									00	00	54	25	21	09	0009A				:	
															0009E		.ASCII	<9>\!XT\<0><0>	:	
															000A4	PHASTAFMT:			:	
																	.LONG	38	:	
65	75	6C	61	76	20	6E	75	72	20	6C	61	74	6F	54	000A8		.ADDRESS	P.AAE	:	
										00	00	00	3A	73	000AC	P.AAF:	.ASCII	\Total run values:\<0><0><0>	:	
															000BB				:	
															000C0	TOTALTIM:			:	
																	.LONG	17	:	
6F	72	70	20	64	6E	61	6D	6D	6F	43	20	20	20	20	000C4		.ADDRESS	P.AAF	:	
						00	3A	67	6E	69	73	73	65	63	000C8	P.AAG:	.ASCII	\ Command processing:\<0>	:	
															000D7				:	
															000E0	COMANDTIM:			:	
																	.LONG	23	:	
															000E4		.ADDRESS	P.AAG	:	
															000E8	P.AAH:	.ASCII	\ Pass 1:\<0>	:	
															000F4	PASS1TIM:			:	
																	.LONG	11	:	
2F	6E	6F	69	74	61	63	6F	6C	6C	41	20	20	20	20	000F8		.ADDRESS	P.AAH	:	
		00	00	3A	6E	6F	69	74	61	63	6F	6C	65	52	000FC	P.AAI:	.ASCII	\ Allocation/Relocation:\<0><0>	:	
															0010B				:	
															00118	ALLOCTIM:			:	
																	.LONG	26	:	
															0011C		.ADDRESS	P.AAI	:	
															00120	P.AAJ:	.ASCII	\ Pass 2:\<0>	:	
															0012C	PASS2TIM:			:	
																	.LONG	11	:	
															00130		.ADDRESS	P.AAJ	:	
66	61	20	61	74	61	64	20	70	61	4D	20	20	20	20	00134	P.AAK:	.ASCII	\ Map data after object module synopsis\	:	
75	64	6F	6D	20	74	63	65	6A	62	6F	20	20	20	20	00143				:	
					69	73	70	6F	6E	79	73	72	65	74	00152				:	
											00	00	3A	73	0015C		.ASCII	\s:\<0><0>	:	
															000002A	00160	MAPTIM:	.LONG	42	:
															00000000	00164		.ADDRESS	P.AAK	:
6C	62	61	74	20	6C	6F	62	6D	79	53	20	20	20	20	00168	P.AAL:	.ASCII	\ Symbol table output:\	:	
						3A	74	75	70	74	75	6F	20	65	00177				:	
															00000018	00180	STBTIM:	.LONG	24	:
															00000000	00184		.ADDRESS	P.AAL	:
67	6E	69	6B	72	6F	77	20	61	20	67	6E	69	73	55	00188	P.AAM:	.ASCII	\Using a working set limited to !UL pages\	:	
6F	74	20	64	65	74	69	6D	69	6C	20	74	65	73	20	00197				:	
						73	65	67	61	70	20	4C	55	21	20	001A6				:
20	73	65	67	61	70	20	4C	55	21	20	64	6E	61	20	001B0		.ASCII	\ and !UL pages of data storage (excludin\	:	
65	67	61	72	6F	74	73	20	61	74	61	64	20	66	6F	001BF				:	
					6E	69	64	75	6C	63	78	65	28	20	001CE				:	
							29	65	67	61	6D	69	20	67	001D8		.ASCII	\g image)\	:	
															00000058	001E0	WORKSET:	.LONG	88	:
															00000000	001E4		.ADDRESS	P.AAM	:
65	62	6D	75	6E	20	6C	61	74	6F	54	3C	30	35	21	001E8	P.AAN:	.ASCII	\!50<Total number object records read (bo\	:	
64	72	6F	63	65	72	20	74	63	65	6A	62	6F	20	72	001F7				:	
						6F	62	28	20	64	61	65	72	20	73	00206				:
55	21	3E	21	3A	29	73	65	73	73	61	70	20	68	74	00210		.ASCII	\th passes):!>!UL\	:	
															0021F				:	
															00000038	00220	OBJRECS:	.LONG	56	:
															00000000	00224		.ADDRESS	P.AAN	:
55	21	20	68	63	69	68	77	20	66	6F	20	20	20	20	00228	P.AAO:	.ASCII	\ of which !UL were in libraries and !\	:	



```
61 72 62 69 6C 20 6E 69 20 65 72 65 77 20 4C 00237
64 20 47 55 42 45 44 20 65 72 65 77 20 4C 00246
6E 6F 63 20 73 64 72 6F 63 65 72 20 61 74 61 00250
55 21 20 00 73 65 74 79 62 20 4C 0025F
00000057 0026E
00000000 00278
00000000 00280
00000000 00284
45 44 20 66 6F 20 73 65 74 79 62 20 4C 55 21 00288
77 20 65 72 65 77 20 61 74 61 64 20 47 55 42 00297
61 74 73 2C 6E 65 74 74 69 72 002A6
55 21 20 4E 42 56 20 74 61 20 67 6E 69 74 72 002B0
63 6F 6C 62 20 57 55 21 20 68 74 69 77 20 57 002BF
74 61 63 6F 6C 6C 61 20 73 6B 002CE
00 00 64 65 002D8
00000052 002DC
00000000 002E0
6D 20 66 6F 20 72 65 62 6D 75 4E 3C 30 35 21 002E4
65 74 63 61 72 74 78 65 20 73 65 6C 75 64 6F 002F3
00 00 4C 55 21 20 3D 20 3E 21 79 6C 00302
00000032 0030C
00000000 00318
78 65 20 4C 55 21 20 68 74 69 77 20 20 20 20 0031C
6F 73 65 72 20 6F 74 20 64 65 74 63 61 72 74 00320
00 73 6C 6F 62 6D 79 73 20 64 65 6E 75 20 65 76 6C 0032F
00000033 0033E
00000000 00348
61 65 73 20 79 72 61 72 62 69 6C 20 4C 55 21 00354
20 72 6F 66 20 65 72 65 77 20 73 65 68 63 72 00358
6F 6E 20 73 6C 6F 62 6D 79 73 0035C
72 61 72 62 69 6C 20 65 68 74 20 6E 69 20 74 0036B
00 00 64 65 68 63 72 61 65 73 20 79 0037A
00000041 00384
20 4C 55 21 20 66 6F 20 6C 61 74 6F 74 20 41 00393
74 20 6C 6F 62 6D 79 73 20 6C 61 62 6F 6C 67 003A0
00 6E 65 74 74 69 72 77 20 73 61 77 20 73 64 003A4
00000000 003A8
00000000 003B7
00000000 003C6
00000000 003D0
00000036 003DF
00000000 003E0
00000000 003E4
00000000 003E8
00000000G 00000000G 00000000' 00000000G 00000000G 00000000G 003EC
00000000' 00000000G 00000000G 00000000G 00000000' 00000000G 00404
00000000G 00000000G 00000000' 00000000G 00000000G 00000000G 0041C
00000000' 00000000G 00000000G 00000000G 00000000' 00000000G 00434
00000000G 00000000G 00000000G 00000000G 00000000G 00000000G 0044C
```

```
.ASCII \UL were DEBUG data records containing !U\
LIBRECS: .LONG 87
.P.AAP: .ADDRESS P.AAO
.P.AAP: .ASCII \!UL bytes of DEBUG data were written,sta\
.ASCII \rting at VBN !UW with !UW blocks allocat\
.ASCII \ed\<0><0>
DBGDATA: .LONG 82
.P.AAQ: .ADDRESS P.AAP
.P.AAQ: .ASCII \!50<Number of modules extracted explicit\
.ASCII \ly!> = !UL\<0><0>
EXTRMODS: .LONG 50
.P.AAR: .ADDRESS P.AAQ
.P.AAR: .ASCII \ with !UL extracted to resolve undefi\
.ASCII \ned symbols\<0>
SRCHMODS: .LONG 51
.P.AAS: .ADDRESS P.AAR
.P.AAS: .ASCII \!UL library searches were for symbols no\
.ASCII \t in the library searched\<0><0><0>
FUTLSRCH: .LONG 65
.P.AAT: .ADDRESS P.AAS
.P.AAT: .ASCII \A total of !UL global symbol table recor\
.ASCII \ds was written\<0><0>
SYMRECS: .LONG 54
.P.AAT: .ADDRESS P.AAT
PHASTATBL: .LONG 0
.P.AAT: .ADDRESS LNK$GL SPAGFLTS, LNK$GL CPUSTIM, -
LNK$GQ_STARTIM, COMANDTIM, -
LNK$GL_PS1FLTS, LNK$GL_PS1CPUT, -
LNK$GQ_PS1STIM, PASS1TIM, LNK$GL_ALOFLTS, -
LNK$GL_ALOCPUT, LNK$GQ_ALOSTIM, ALLOCTIM, -
LNK$GL_PS2FLTS, LNK$GL_PS2CPUT, -
LNK$GQ_PS2STIM, PASS2TIM, LNK$GL_MAPFLTS, -
LNK$GL_MAPCPUT, LNK$GQ_MAPSTIM, MAPTIM, -
LNK$GL_STBFLTS, LNK$GL_STBCPUT, -
```



LNK\_STATSOUT  
V04=000

K 11  
16-Sep-1984 00:33:36  
14-Sep-1984 12:40:36

VAX-11 B11sg-32 V4.0-742  
[LINKER.SRC]LNKSTATSO.B32;1

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```
00000000G 00000000G 00000000' 00000000G 00000000G 00000000 00458
00000000G 0045C
00000000G 00474
00000064 0047B CVT2SECS:
0000003C 0047C CVTSECSMINS:
                                .LONG 100
                                .LONG 60
                                .PSECT $OWNS$,NOEXE,2
                                0000 00000 COMMAND_DESC:
                                00 00002 .WORD 0
                                02 00003 .BYTE 0
                                00000000 00004 .BYTE 2
                                .LONG 0
SD_$LINE= P.AAA
.EXTRN LNK$GL_OPTEXTP, LNK$GL_CTLMSK
.EXTRN LNK$GL_MINADDR, LNK$GL_MEMLHD
.EXTRN LNK$GL_CPUTIM, LNK$GL_FUTLSRCH
.EXTRN LNK$GL_LIBRECS, LNK$GL_NMODSEXP
.EXTRN LNK$GL_NMODSRCH
.EXTRN LNK$GL_OBJRECS, LNK$GW_DBGRECS
.EXTRN LNK$GL_DBGESTIM
.EXTRN LNK$GW_DSTVBN, LNK$GW_DSTBLKS
.EXTRN LNK$GL_DSTEND, LNK$GW_SYMRECS
.EXTRN LNK$GW_GSTRECS, LNK$GW_STARTIM
.EXTRN LNK$GW_ENDTIM, LNK$GW_PS1STIM
.EXTRN LNK$GW_ALOSTIM, LNK$GW_PS2STIM
.EXTRN LNK$GW_MAPSTIM, LNK$GW_STBSTIM
.EXTRN LNK$GL_PS1CPUT, LNK$GL_ALOCPUT
.EXTRN LNK$GL_PS2CPUT, LNK$GL_MAPCPUT
.EXTRN LNK$GL_STBCPUT, LNK$GL_PS1FLTS
.EXTRN LNK$GL_ALOFLTS, LNK$GL_PS2FLTS
.EXTRN LNK$GL_MAPFLTS, LNK$GL_STBFLTS
.EXTRN LNK$GL_SPAGFLTS
.EXTRN LNK$GL_ENDFLTS, LNK$GL_ENDCPUT
.EXTRN CLISGET VALUE, LNK$CALCELAPS
.EXTRN LNK$MAPOUT, LNK$C_MAPLINE
.EXTRN LNK$K_LIBBLOCKS
.EXTRN SYSS$FAD, SYSS$ADJWSL
.PSECT $CODE$,NOWRT,2
.OFFC 00000
.ENTRY LNK$STATSOUT, Save R2,R3,R4,R5,R6,R7,R8,R9,-; 0291
R10,R11
MOVAB LNK$GL_CTLMSK, R11
MOVAB SYSS$FAD, R10
MOVAB LNK$MAPOUT, R9
MOVAB PHASTATBL, R8
MOVAB -172(SP), SP
MOVZBL #132, OUTBUFDESC
MOVAB BUFFER, OUTBUFDESC+4
CLRL CPUTIME+4
0340
0341
0342
```

14	AE	D4	00030	CLRL	CPUSECS+4	0343
0C	AE	D4	00033	CLRL	CPUMINS+4	0344
	7E	D4	00036	CLRL	-(SP)	0345
2C	AE	9F	00038	PUSHAB	BUFFER	
69	02	FB	0003B	CALLS	#2, LNK\$MAPOUT	
20	AE	9F	0003E	PUSHAB	OUTBUFDESC	0346
08	AE	9F	00041	PUSHAB	OUTLINELENG	
FC68	C8	9F	00044	PUSHAB	PHASTAHD1	
6A	03	FB	00048	CALLS	#3, SYS\$FAO	
7E	04	AE	3C	MOVZWL	OUTLINELENG, -(SP)	0347
	2C	AE	9F	PUSHAB	BUFFER	
69	02	FB	00052	CALLS	#2, LNK\$MAPOUT	
20	AE	9F	00055	PUSHAB	OUTBUFDESC	0348
08	AE	9F	00058	PUSHAB	OUTLINELENG	
FC8C	C8	9F	0005B	PUSHAB	PHASTAHD2	
6A	03	FB	0005F	CALLS	#3, SYS\$FAO	
7E	04	AE	3C	MOVZWL	OUTLINELENG, -(SP)	0349
	2C	AE	9F	PUSHAB	BUFFER	
69	02	FB	00069	CALLS	#2, LNK\$MAPOUT	
52	01	D0	0006C	MOVL	#1, I	0351
52	04	78	0006F	ASHL	#4, I, R3	0353
	6843	9F	00073	PUSHAB	PHASTATBL[R3]	
	9E	D5	00076	TSTL	@(SP)+	
	03	12	00078	BNEQ	2\$	
	0082	31	0007A	BRW	3\$	
04	A843	9F	0007D	PUSHAB	PHASTATBL+4[R3]	0356
	9E	D0	00081	MOVL	@(SP)+, R4	
54	04	78	00084	ASHL	#4, I, R0	
50	F4	A840	9F	PUSHAB	PHASTATBL-12[R0]	
	9E	D0	00088	MOVL	@(SP)+, R1	
51	61	C3	0008F	SUBL3	(R1), (R4), PAGEFAULTS	
57	08	A843	9F	PUSHAB	PHASTATBL+8[R3]	0357
	9E	D0	00097	MOVL	@(SP)+, R4	
54	F8	A840	9F	PUSHAB	PHASTATBL-8[R0]	
	9E	D0	0009E	MOVL	@(SP)+, R1	
51	61	C3	000A1	SUBL3	(R1), (R4), CPUTIME	
18	AE	C8	7B	EDIV	CVT2SECS, CPUTIME, CPUSECS, SECFRAC	0358
10	AE	C8	7B	EDIV	CVTSECSMINS, CPUSECS, CPUMINS, CPUSECS	0359
08	AE	C8	7B	EDIV	CVTSECSMINS, CPUMINS, CPUHOURS, CPUMINS	0360
	55	0C	A843	PUSHAB	PHASTATBL+12[R3]	0364
		9E	DD	PUSHL	@(SP)+	
		FC	A840	PUSHAB	PHASTATBL-4[R0]	
		9E	DD	PUSHL	@(SP)+	
00000000G	00	02	FB	CALLS	#2, LNK\$CALCELAPS	
		50	DD	PUSHL	R0	
		56	DD	PUSHL	SECFRAC	
		18	AE	PUSHL	CPUSECS	
		14	AE	PUSHL	CPUMINS	
		55	DD	PUSHL	CPUHOURS	
		57	DD	PUSHL	PAGEFAULTS	
		6843	9F	PUSHAB	PHASTATBL[R3]	
		9E	DD	PUSHL	@(SP)+	
		3C	AE	PUSHAB	OUTBUFDESC	
		24	AE	PUSHAB	OUTLINELENG	
		FCBC	C8	PUSHAB	PHASTAFMT	
		0A	FB	CALLS	#10, SYS\$FAO	
6A		04	AE	MOVZWL	OUTLINELENG, -(SP)	0365
7E						

FF6A	52	69 01	2C	AE 02 0B 5E 7E	9F FB F1 DD D4	000F9 000FC 000FF 00105 00107		PUSHAB CALLS ACBL PUSHL CLRL	BUFFER #2, LNK\$MAPOUT #8, #1, I, 1\$ SP -(SP)	0353 0368
		00 52	00000000G	02 00 62 05	FB 9E D5 13	00109 00110 00117 00119		CALLS MOVAB TSTL BEQL	#2, SYSS\$ADJWSL LNK\$GL_MEMLHD, MEMUSED (MEMUSED) 5\$	0369 0371
		52		62 F7	D0 11	0011B 0011E		MOVL BRB	(MEMUSED), MEMUSED 4\$	0372
50		52	00000000G	00	C3	00120	5\$:	SUBL3	LNK\$GL_MINADDR, MEMUSED, R0	0374
52		50	01FF	00	9E	00128		MOVAB	511(R0), R0	
		50	00000200	8F	C7	0012D		DIVL3	#512, R0, MEMUSED	
				7E	D4	00135		CLRL	-(SP)	0375
		69	2C	AE	9F	00137		PUSHAB	BUFFER	
				02	FB	0013A		CALLS	#2, LNK\$MAPOUT	
				S2	DD	0013D		PUSHL	MEMUSED	0376
			04	AE	DD	0013F		PUSHL	WORKSETLIM	
			2B	AE	9F	00142		PUSHAB	OUTBUFDESC	
			10	AE	9F	00145		PUSHAB	OUTLINELENG	
			FDF8	CB	9F	00148		PUSHAB	WORKSET	
6A				05	FB	0014C		CALLS	#5, SYSS\$FAO	
7E			04	AE	3C	0014F		MOVZWL	OUTLINELENG, -(SP)	0377
			2C	AE	9F	00153		PUSHAB	BUFFER	
		69		02	FB	00156		CALLS	#2, LNK\$MAPOUT	
				7E	D4	00159		CLRL	-(SP)	0378
			2C	AE	9F	0015B		PUSHAB	BUFFER	
		69		02	FB	0015E		CALLS	#2, LNK\$MAPOUT	
			00000000G	00	DD	00161		PUSHL	LNK\$GL_OBJRECS	0379
			24	AE	9F	00167		PUSHAB	OUTBUFDESC	
			0C	AE	9F	0016A		PUSHAB	OUTLINELENG	
			FE38	CB	9F	0016D		PUSHAB	OBJRECS	
6A				04	FB	00171		CALLS	#4, SYSS\$FAO	
7E			04	AE	3C	00174		MOVZWL	OUTLINELENG, -(SP)	0380
			2C	AE	9F	00178		PUSHAB	BUFFER	
		69		02	FB	0017B		CALLS	#2, LNK\$MAPOUT	
			00000000G	00	DD	0017E		PUSHL	LNK\$GL_DBGESTIM	0381
		7E	00000000G	00	3C	00184		MOVZWL	LNK\$GL_DBGRECS, -(SP)	
			00000000G	00	DD	00188		PUSHL	LNK\$GL_LIBRECS	
			2C	AE	9F	00191		PUSHAB	OUTBUFDESC	
			14	AE	9F	00194		PUSHAB	OUTLINELENG	
			FE98	CB	9F	00197		PUSHAB	LIBRECS	
6A				06	FB	0019B		CALLS	#6, SYSS\$FAO	
7E			04	AE	3C	0019E		MOVZWL	OUTLINELENG, -(SP)	0382
			2C	AE	9F	001A2		PUSHAB	BUFFER	
		69		02	FB	001A5		CALLS	#2, LNK\$MAPOUT	
		50	00000000G	00	D0	001A8		MOVL	LNK\$GL_DSTEND, DBGBYTES	0384
				30	13	001AF		BEQL	7\$	
05 27		68		06	E0	001B1		BBS	#6, LNK\$GL_CTLMSK, 6\$	
	02	AB		02	E1	001B5		BBC	#2, LNK\$GL_CTLMSK+2, 7\$	
		7E	00000000G	00	3C	001BA	6\$:	MOVZWL	LNK\$GL_DSTBLKS, -(SP)	0387
		7E	00000000G	00	3C	001C1		MOVZWL	LNK\$GL_DSTVBN, -(SP)	
				50	DD	001C8		PUSHL	DBGBYTES	
			2C	AE	9F	001CA		PUSHAB	OUTBUFDESC	
			14	AE	9F	001CD		PUSHAB	OUTLINELENG	
			FEF4	CB	9F	001D0		PUSHAB	DBGDATA	



6A		06	FB	001D4	CALLS	#6, SYSSFAO		
7E	04	AE	3C	001D7	MOVZWL	OUTLINELENG, -(SP)		0388
	2C	AE	9F	001DB	PUSHAB	BUFFER		
69		02	FB	001DE	CALLS	#2, LNK\$MAPOUT		
		7E	D4	001E1	CLRL	-(SP)		0391
	2C	AE	9F	001E3	PUSHAB	BUFFER		
69		02	FB	001E6	CALLS	#2, LNK\$MAPOUT		
	00000000G	00	DD	001E9	PUSHL	LNK\$GL_NMODSEXP		0392
	24	AE	9F	001EF	PUSHAB	OUTBUFDESC		
	0C	AE	9F	001F2	PUSHAB	OUTLINELENG		
	FF30	C8	9F	001F5	PUSHAB	EXTRMODS		
6A		04	FB	001F9	CALLS	#4, SYSSFAO		
7E	04	AE	3C	001FC	MOVZWL	OUTLINELENG, -(SP)		0393
	2C	AE	9F	00200	PUSHAB	BUFFER		
69		02	FB	00203	CALLS	#2, LNK\$MAPOUT		
	00000000G	00	DD	00206	PUSHL	LNK\$GL_NMODSRCH		0394
	24	AE	9F	0020C	PUSHAB	OUTBUFDESC		
	0C	AE	9F	0020F	PUSHAB	OUTLINELENG		
	FF6C	C8	9F	00212	PUSHAB	SRCHMODS		
6A		04	FB	00216	CALLS	#4, SYSSFAO		
7E	04	AE	3C	00219	MOVZWL	OUTLINELENG, -(SP)		0395
	2C	AE	9F	0021D	PUSHAB	BUFFER		
69		02	FB	00220	CALLS	#2, LNK\$MAPOUT		
		7E	D4	00223	CLRL	-(SP)		0396
	2C	AE	9F	00225	PUSHAB	BUFFER		
69		02	FB	00228	CALLS	#2, LNK\$MAPOUT		
	00000000G	00	DD	0022B	PUSHL	LNK\$GL_FUTLSRCH		0397
	24	AE	9F	00231	PUSHAB	OUTBUFDESC		
	0C	AE	9F	00234	PUSHAB	OUTLINELENG		
	B8	A8	9F	00237	PUSHAB	FUTLSRCH		
6A		04	FB	0023A	CALLS	#4, SYSSFAO		
7E	04	AE	3C	0023D	MOVZWL	OUTLINELENG, -(SP)		0398
	2C	AE	9F	00241	PUSHAB	BUFFER		
69		02	FB	00244	CALLS	#2, LNK\$MAPOUT		
		7E	D4	00247	CLRL	-(SP)		0399
	2C	AE	9F	00249	PUSHAB	BUFFER		
69		02	FB	0024C	CALLS	#2, LNK\$MAPOUT		
50	00000000G	00	3C	0024F	MOVZWL	LNK\$GW_SYMRECS, R0		0400
51	00000000G	00	3C	00256	MOVZWL	LNK\$GW_GSTRECS, R1		
		6140	9F	0025D	PUSHAB	(R1)(R0)		
	24	AE	9F	00260	PUSHAB	OUTBUFDESC		
	0C	AE	9F	00263	PUSHAB	OUTLINELENG		
	F8	A8	9F	00266	PUSHAB	SYMRECS		
6A		04	FB	00269	CALLS	#4, SYSSFAO		
7E	04	AE	3C	0026C	MOVZWL	OUTLINELENG, -(SP)		0401
	2C	AE	9F	00270	PUSHAB	BUFFER		
69		02	FB	00273	CALLS	#2, LNK\$MAPOUT		
		7E	D4	00276	CLRL	-(SP)		0402
	2C	AE	9F	00278	PUSHAB	BUFFER		
69		02	FB	0027B	CALLS	#2, LNK\$MAPOUT		
		53	D4	0027E	CLRL	PCHARS		0412
	00000000'	EF	9F	00280	PUSHAB	COMMAND_DESC		0413
	FC20	C8	9F	00286	PUSHAB	SD \$LINE		
00000000G	00	02	FB	0028A	CALLS	#2, CLISGET_VALUE		
	52	EF	3C	00291	MOVZWL	COMMAND_DESC, CHARS		0414
		52	D5	00298	TSTL	CHARS		0416
		28	15	0029A	BLEQ	10\$		

00000000G	50	52	D0 0029C	MOVL	CHARS, R0	: 0418
	8F	50	D1 0029F	CMPL	R0, #LENSC_MAPLINE	:
		05	15 002A6	BLEQ	9\$	:
	50	8F	3C 002A8	MOVZWL	#LENSC_MAPLINE, R0	:
	54	50	D0 002AD 9\$:	MOVL	R0, NCHARS	:
		54	DD 002B0	PUSHL	NCHARS	: 0419
		43	9F 002B2	PUSHAB	@COMMAND_DESC+4[PCHARS]	:
	69	02	FB 002B9	CALLS	#2, LNK\$MAPOUT	:
	52	54	C2 002BC	SUBL2	NCHARS, CHARS	: 0420
	53	54	C0 002BF	ADDL2	NCHARS, PCHARS	: 0421
		D4	11 002C2	BRB	8\$	: 0416
	23	01	AB E9 002C4 10\$:	BLBC	LNK\$GL_CTLMSK+1, 12\$	: 0426
	50	00	D0 002C8 11\$:	MOVL	LNK\$GL_OPTEXTP, R0	: 0427
		1A	13 002CF	BEQL	12\$	:
	7E	04	A0 3C 002D1	MOVZWL	4(R0), -(SP)	: 0430
		06	A0 9F 002D5	PUSHAB	6(R0)	: 0429
	69	02	FB 002DB	CALLS	#2, LNK\$MAPOUT	:
	50	00	D0 002DB	MOVL	LNK\$GL_OPTEXTP, R0	: 0432
00000000G	00	60	D0 002E2	MOVL	(R0), [LNK\$GL_OPTEXTP	:
		DD	11 002E9	BRB	11\$	: 0427
		04	002EB 12\$:	RET		: 0437

; Routine Size: 748 bytes, Routine Base: \$CODE\$ + 0000

:	325	0438	1
:	326	0439	1 end
:	327	0440	0 eludom

## PSECT SUMMARY

Name	Bytes	Attributes
\$PLITS	1152	NOVEC,NOWRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$OWN\$	8	NOVEC, WRT, RD ,NOEXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)
\$CODE\$	748	NOVEC,NOWRT, RD , EXE,NOSHR, LCL, REL, CON,NOPIC,ALIGN(2)

## Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	9	0	1000	00:02.0
\$255\$DUA28:[LINKER.OBJ]DATBAS.L32;1	538	6	1	28	00:00.8

LNK\_STATSOUT  
V04=000

C 12  
16-Sep-1984 00:33:36  
14-Sep-1984 12:40:36

VAX-11 Bliss-32 V4.0-742  
[LINKER.SRC]LNKSTATSO.B32;1

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(2)

COMMAND QUALIFIERS

:  
: BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LISS:LNKSTATSO/OBJ=OBJ\$:LNKSTATSO MSRC\$:LNKSTATSO/UPDATE=(ENH\$:LNKSTATSO)  
: 328 0441 0 !End of module  
: Size: 748 code + 1160 data bytes  
: Run Time: 00:17.7  
: Elapsed Time: 00:54.4  
: Lines/CPU Min: 1499  
: Lexemes/CPU-Min: 15372  
: Memory Used: 217 pages  
: Compilation Complete



0219 AH-BT13A-SE  
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION  
CONFIDENTIAL AND PROPRIETARY

LNKPROIB  
LIS

LNKSYMTBL  
LIS

LNKSYMOUT  
LIS

LNKUMALLO  
LIS

LNKPSCTBL  
LIS

LNKPROSHR  
LIS

LNKSTATSO  
LIS